



PRE-COLLEGE RESEARCH
EXCELLENCE PROGRAMS

2021-2022 UTK Pre-College Programs



July Newsletter

University of Tennessee: Pre-College Programs

COMBINING THE EXCITEMENT OF
COMPETITION WITH CHALLENGES IN
SCIENCE, INNOVATION, AND BEYOND!

Pre-College Research Excellence Programs (PREP) are research-focused programs for Tennessee middle and high school students geared to promote STEM disciplines. Participating in any of the PREP programs encourages students to pursue careers and a lifelong passion for STEM. Each program is hosted at the campus of the [University of Tennessee, Knoxville](https://www.utk.edu/).

What we've been up to:

We just wrapped up Governor's School and it was a pleasure having students from across Tennessee join us on Rocky Top! See below some of the activities our students participated in during their stay and see what else we have in store for the rest to 2022!

Tell me more about the PREP Programs!



2022 GOVENOR'S SCHOOL FOR THE SCIENCE AND ENGINEERING

2022 Governor's School for the Sciences and Engineering (GSSE) was held May 29-June 25, 2022 on the University of Tennessee campus. GSSE is a 4-week on-campus residential program that provides the opportunity for advanced study, laboratory experience, research in modern science and mathematics, and an immersive college experience.

Academic Curriculum

All students took the common "STEM in the morning" classes and their choice of an additional afternoon STEM class that suits their interest. Students had

the option of selecting the following concentrations: Biology, Materials Science and Engineering (MSE), Industrial & Systems Engineering (ISE), Math, Chemistry and Physics.

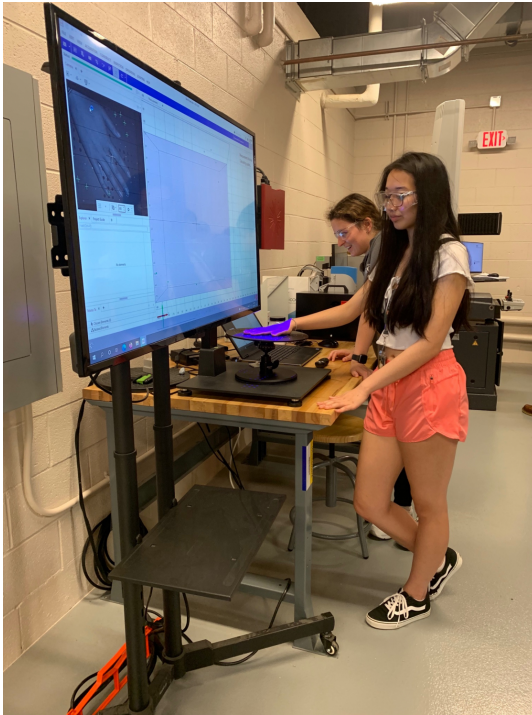
GSSE Student Experience: Daily Schedule

Class times were scheduled from 8:30–11:30 a.m. and 1:30–4:30 p.m., Monday-Friday. Some classes also participated in field trips to local facilities both on and off campus. On most Wednesdays, students had an opportunity to tour various labs and colleges on campus.

On the weekends, the students took trips to Dollywood, the Knoxville Zoo, and the Tennessee Aquarium. On Sundays, students were able to wind down and catch up on homework, relax with friends and participate in group activities with their resident assistants.

Below, are links to our social media platforms that provide additional snapshots of the student's immersive experience on UTK's campus!

[Tell me more about GSSE!](#)



College Lab Tours and Open Houses

Students had an opportunity to tour the following colleges, labs, and open houses:

- College of Veterinary Medicine
- Machine Tool Research Center
- Infant Language and Perceptual Learning Lab
- Chemistry Lab Tour
- Chemistry Open House
- Synthetic Cadaver Lab Tour
- College of Industrial and Systems Engineering

College Lab Tours and Open Houses Continued:

Students had an opportunity to tour the following colleges, labs, and open houses:

- Civil & Environmental Engineering Lab Tour
- Zooarchaeology Lab
- Chromosomes and Cell Division in Bacterial Cells

- College of Agriculture Open House
- Math Open House
- Physics & Planetarium Open House
- 3D Folding of the Human Genome Lab Tour



[TN GSSE Facebook](#)

[PREP Instagram](#)

[TN GSSE Website](#)



TJSHS TEACHER & MENTOR WORKSHOP

Hosted by UTK Pre-College Programs

**COMPLETE THE SURVEY BELOW
TO LET US KNOW YOUR
THOUGHTS!**

TEACHER & MENTOR WORKSHOP

TENNESSEE JUNIOR SCIENCE AND HUMANITIES SYMPOSIUM (TJSHS)

We have an opportunity to host a TJSHS Teacher and Mentor Workshop on the UTK campus. Our goal is to provide guidance, instruct, and educate teachers and mentors so they can better assist their students and prep them for TJSHS.

We invite you to join us in this workshop! This event is at no cost to you, we will take care of your meals and hotel if you are traveling. We plan to provide you with the necessary tools to help you and your student prep for the Tennessee Regional.

To assist us in planning for this event, we need your feedback! Complete the survey below and let us know your thoughts! Please complete this survey no later than 7/15 at 11:59 PM.

Thank you in advance for your cooperation, and we hope to see you soon!

Upcoming Event Schedule



Virtual Science Club

September 2022 to
February 2023



Tennessee Junior Science and Humanities Symposium

March 2023



Science Olympiad

February 2023



Southern Appalachian Science and Engineering Fair

March 2023

UTK PREP

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